

ADDENDUM #1 TO AGREEMENT FOR SPRINT LIGHTLINK SERVICE

THIS ADDENDUM #1 modifies and amends the Agreement for Sprint Lightlink Service dated March 27, 1995 (the "WAN Agreement"), by and between Central Telephone Company of Virginia, a Virginia corporation ("Sprint-Centel") and the County of Albemarle, Virginia (the "County").

- 1. <u>Internet Service</u>: Sprint agrees to provide direct Internet service to County government and the County School Division on the date mutually agreeable to the parties at the following costs:
- (a) Direct T-1 Internet service to the County Office Building ("COB") for a \$1,100.00 one-time charge and a monthly service fee of \$1,350.00.
- (b) T-1 (1.544 Mbps) connection from the COB to Sprint-Centel will be provided pursuant to the WAN Agreement for a \$225.00 one-time charge and a monthly service fee of \$143.00 per month.
- (c) The parties agree that the direct T-1 Internet service shall include, at no extra cost or expense to the County, 4 class C licenses; continued use of the same domain names as are now being used by the County; and prompt on-site support to maintain Internet services according to the same response time parameters set forth in Section 6 of the WAN Agreement.
- (d) It is understood that billing of these charges shall not commence until Internet services are fully operational.
- 2. <u>Best Pricing</u>. The "best pricing" set forth in Section 1(0) of the WAN Agreement shall apply to the provision of services described in this Addendum.
- 3. Reduction in Charges. Once the County converts its production Internet Service

 Provider to Sprint-Centel, the County shall be relieved of all obligations and liabilities, including

but not limited to monthly and termination charges, applicable to the site identified as the "UVA VL Center," which was one of the 28 original facilities served by the WAN Agreement.

4. <u>Effect on Agreement</u>. The parties hereto agree that, except as modified herein, the WAN Agreement continues to be valid and in full force and effect, unless the parties hereto agree otherwise.

other wise.	
Dated: 4/25/97	CENTRAL TELEPHONE COMPANY OF VIRGINIA By: Walt Ver
Dated: 4/29/1997	COUNTY OF ALBEMARLE, VIRGINIA By:
Legal Review conducted:	
Approved as to Form:	

sprint.ad1







AGREEMENT NUMBER 97-2039R2	
AGREEMENT TERM	60
ADDENDUM NUMBER	2

WITNESSETH:

hereas, the parties wish to amend that ce	rtain Master Agreement* ("AGREEN	MENT") dat <u>MARCH, 27 1995</u>
and between CENTRAL TELEPHONE	E COMPANY OF VIRGINIA	(herein "COMPANY") and
OUNTY OF ALBEMARLE	(herein "CUSTOMER").	
*		

ow therefore, the parties hereto agree the Agreement is amended as indicated below ADD 10MEG DLO & T-1 T MONTICELLO HIGH SCHOOL EFF 8/4/98

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TOTAL INSTALLATION CHARGES \$ 825.00

TOTAL EXTENDED MONTHLY RATE \$ 1,741.00

*All Terms and Conditions agreed to on the Mast	er Agreement are hereby agreed to and made a part
of this ADDENDUM.	

BY: R. Edward Koonce III

Chief of Financial Management

DATE:

TITLE:

10/22/98

COMPANY:

CENTRAL TELEPHONE COMPANY OF VIRGINIA

BY: Jany & Kill

TITLE: OPERATIONS MANAGER

DATE: 10/22/58



COUNTY OF ALBEMARLE

Department of Information Services 401 McIntire Road Charlottesville, Virginia 22902 Telephone (804) 296-5814 Fax (804) 972-4062

MEMORANDUM

TO: ✓ Rick Huff, Deputy County Executive

✓ Frank Morgan, Assistant Superintendent, Support Services

FROM: Fred Kruger, Director of Information Services Gred Kruger

RE: Approval for long term extension of the WAN Agreement

DATE: 11/16/1998

Information Services has been negotiating with Sprint-Centel to reduce the cost for the WAN (Wide Area Network). These efforts have provided a great opportunity based upon a long term extension of this agreement. The purpose of this memorandum is to obtain your approval for modifying the WAN agreement ("Agreement for Sprint Lightlink Service") to extend it through 06/30/2009. Please note that the current WAN master agreement allows for extension for five (5) years from the end of the current expiration date (03/27/2000) through 03/27/2005.

By extending the WAN agreement through 06/30/2009, Sprint-Centel would reduce the monthly per site rate from \$776 to \$250. The total annual WAN cost for all 28 sites including the 26 School sites (24 schools, Building Services and Transportation) and 2 County sites (the County Office Building and the Courthouse Complex) would decrease from \$260,736 to \$84,000. The effective date of this addendum is 12/01/1998.

By making this change on this date, Information Services reduces FY 1998-1999 expenses by \$95,732 in its School budget and \$7,364 in its General Government (County) budget.

The addendum to the agreement provides:

- 1. A strengthened fiscal funding clause;
- 2. Options for upgrading to higher speed technologies via payment for the non-recurring charges while maintaining the new per site rate; and,
- 3. Options for adding sites to the agreement under the new per site rate via payment for equipment and any new fiber ring required by the new site(s).

The changes in the WAN agreement provides financial advantages, protection for the future and opens up strong expansion possibilities for the entire County. Please indicate your support of these changes by signing and dating below.

If you have any questions, please do not hesitate calling me.

We understand the changes made to the WAN agreement and the new long term extension of the agreement through 06/30/2009. By signing this memorandum, we provide our approval for these changes.

Richard E. Huff, II

Deputy County Executive

Date

Frank Morgan

Assistant Superintendent, Support Services

_ <u>x ⁽¹ / 17 / 98</u> Date

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ATTACHMENT: Copy of "Addendum to the Sprint Lightlink Service"

COPIES: Mark Trank, Deputy County Attorney

Ed Koonce, Chief of Financial Management

Fred Schubert, Deputy Director of Information Services Becky Fisher, Manager of School Technology Support

Jon Wells, Manager of Applications



AGREEMENT NUMBER 97-2039R3	
AGREEMENT TERM 127 MONTHS	
ADDENDUM NUMBER	3

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FITLE:	R. Edward Koonce III		TITLÉ:	V.P.	
DATE:	Chief of Financial Manageme	ent	DATE:	11-16	-98
Approved as	to form:		•		

ATTACHMENT "A"

To the addendum for the Lightlink Agreement

Page 1

Number 97-2039 between The County of Albemarle and Central Telephone Company of Virginia

1.Term

A. This is to modify customer's option as decribed in Item 3(d) of the Master Agreement, to extend the contract period by Ten (10) Years Seven (7) Months effective 12/1/1998 at the monthly rate of \$250.00 per site. This will be for the Dual Laser Option (DLO) of the 10 Mbps Ethernet system that is now in place for the existing Twenty- Eight (28) locations.

2. Technology Upgrade Clause

A. Whereby the customer may elect to upgrade services to a higher speed during this period (which ends 6/30/2009) or Ten (10) years Seven (7) months from 12/1/1998, subject to the following conditions:

- 1. The upgrade service for the Albemarle County Wide Area Network will remain with Central Telephone Company of Virginia during the extension period unless the Agreement or any extension thereof is terminated in accordance with Section 4 ("Termination"), or unless the parties agree otherwise.
 - 2. The upgrade service will be subject to non-recurring charges as agreed to by both the County and Central Telephone Company of Virginia.

3. Pricing

A. As agreed in 1(j) of the Master Agreement additional sites can be added, however, with this Addendum it is agreed, that the monthly rate for new sites will be:

- 1. At the original monthly rate of \$776.00 per DLO site or,
- 2. The County may elect to buy down up front the equipment at the then current sale price, to maintain the monthly rate of \$250.00 for each new site(s). If a new fiber ring has to be established for the new site, that cost will also be included in the buy down rate.

4. Termination

A. Delete section 4 of original agreement substituting the following language in its place.

Page 2 of Attachment "A"

1. This Agreement is subject to annual funding by the Board of Supervisors of the County of Albemarle, Virginia for the services and work specified hereafter. In the event, the Board of Supervisors fails to appropriate the funds necessary to perform the services and work specified in this Agreement and other contract documents, this Agreement shall be deemed canceled, with no penalty or liability to the County, and of no effect, provided written notice of such cancellation is given to Central Telephone Company of Virginia by the County. In the event that this Agreement is canceled for the reasons set forth in this paragraph, Central Telephone Company will be reimbursed only for the reasonable value of all work actually performed or services rendered pursuant to the Agreement as of the date of cancellation, but in no case shall Central Telephone Company of Virginia be entitled to recover for lost profits, consequential or any other damages of any kind, or any other costs or expenses whatsoever.



AGREEMENT NUMBER 97-2039R4	
AGREEMENT TERM	60
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DATE:	elef of Financial Manage	130/90	DATE:	3/	29/99	11
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SPKINI ADDENDUM



AGREEMENT NUMBER 97-2039R5 AGREEMENT TERM 118 months ADDENDUM NUMBER 5

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AGREEMENT NUMBER 97-2039R6 AGREEMENT TERM 118 months ADDENDUM NUMBER

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LE:	R. Edward Koonce III	8/11/90	TITLE:		reler	MENAPER
	Chief of Financial Manager.		DATE:	_	8-17	59
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SALES AGREEMENT

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FRED KRUGER	(804) 23	6-5814	8 542001102		
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Yes	No		11		

This Agreement is made and entered into August 6, 1999 by and between Central Telephone of Virginia, 2211 Hydraulic Road, Charlottesville, VA, 22901 ("SPRINT") and COUNTY OF ALBEMARLE ("BUYER") located at TROPHY CHASE APTS PEYTON DRIVE, CHARLOTTESVILLE, VA 22901.

The Total Purchase Price of the contract is \$31,514.00. The Purchase Price does NOT include any sales, use, excise, property, or other taxes; any applicable taxes will be added to the Purchase Price when the final invoice is issued

The contract price will be paid as follows:

PAYMENT TERMS	
Down Payment	\$0.00
Upon Delivery of Equipment	\$0.00
Upon installation	\$0.00
Upon Customer Acceptance	\$31,514.00

BUYER acknowledges that they have read and understand the following agreements, and either have existing coverage/service or have elected to waive this coverage/service; CENTURION SERVICES BLAT LONG DISTANCE SERVICES IBUYER Loided 3RD PARTY FINANCING TBUYER TRUE

In consideration for payment of the contract price, SUYER agrees to purchase the Equipment and/or Services listed on Attachment A hereto, in accordance with the Terms and Conditions and Scope of Work attachments B and C respectively. BUYER represents by signing and initialing that he/she has read and understands all the terms and conditions and has the authority to enter into this Agreement. This Agreement is not binding until signed by an authorized representative of SPRINT.

Salesperson: A. Thomas Anderson

BY: R.EDWARD KCONCE

TOR Edward Knopes III Chief of Financial Management





ATTACHMENT A

SALES AGREEMENT EQUIPMENT AND/OR SERVICES

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SALES AGREEMENT TERMS AND CONDITIONS

ATTACHMENT B

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January 21, 2000

Mr. Fred Kruger Director of Information Services County of Albemarle 401 McIntire Road Charlottesville, Virginia

Dear Fred,

Based on previous conversations regarding the connection of Ivy Creek – Prep to the existing Jack Jouett 10 Meg Lightlink, I have related to you verbally that I had checked with Contract Admin. and they agreed that this connection would be satisfactory since it was part of the same school grounds, and was within the system limitation as far as length of run. Since you are connecting to your router or server there would be no additional charge for this extension of the ckt.

Yours truly,

A.T. Anderson

Business Service Manager

a. J. andum





AGREEMENT NUMBER 97-2039
AGREEMENT TERM 127 Months
ADDENDUM NUMBER

	en CENTRAL TELEPHONE COMI	-		NT") dai <u>March 27,1995</u> (herein "COMPANY") and		
ty of Al	bemarle	(herein "CUSTON	1ER").			
therefor	re, the parties hereto agree the Agreer	nent is amended as	indicated below	<i>'</i> :		
		INSTALLATION	MONTHLY	EXTENDED		
QTY	DESCRIPTION	CHARGES	RATE	RATE	S&E CODES	
	1 Add 10 Meg Lightlink service to	\$ 300.00	250	\$ 250.00	PBVDXDNAC	
	the Sheriff Annex Building from			\$ -		
	the Courthouse Magnum.			\$ -		
				\$ -		
	This will not be a new node site.			\$ -		
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	the Courthouse.			\$ -		
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ity of Al	bemarle	CENTRAL	<u> </u>	OMPANY OI	VIRGINIA	
	K. GOW LOO		BY:	B.B. Kend	leto	
Æ:	Cheif of Financial Man	agement.	TITLE:	Ben Man -	Soles	
E:	3/15/2000		DATE:	4/2/0/00	2	



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hereas, the parties wish to amend that certain Master Agreement* ("AGREEMENT") dat March 27,1995

AGREEMENT NUMBER 97-2039	
AGREEMENT TERM 127 Months	
ADDENDUM NUMBER	8

	en CENTRAL TELEPHONE CO			_ (herein "CON	/IPANY") and
nty of All	pemarle	(herein "CUSTO	MER").		
v therefor	e, the parties hereto agree the Ag	rraement is amended a	s indicated helo	337*	
inciciói	e, the parties hereto agree the Ag	greement is amended a	s indicated octo	w.	
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. TC.	A the poor		TITLE:	hours of	lanage - Sa
LE:	Chief of Fir. Myni	 	DATE:	Claire 1	unage - sa
ΓE:	6/04/0000		DAIE.	<u>ejajoo</u>	
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Attachment to Addendum 8

Addendum 8 allows any County of Albemarle School Division facility which is co-located on County of Albemarle School Division property containing a WAN site to connect to that WAN site's server and utilize the site's WAN/Internet access capabilities. These facilities may be classrooms, administrative departments, or support facilities. Support for these facilities would be the sole responsibility of the County of Albemarle School Division. Sprint will not provide any form of WAN/Internet maintenance or support for these. These facilities may not connect directly into any WAN site's Fibermux or any equipment similarly used by Sprint for WAN site connectivity into the WAN. Any facility not co-located on County of Albemarle School Division property may not be attached with out a circuit charge, normal installation, and one-time node charges as appropriate.



COPY

AGREEMENT NUMBER 97-2039	
AGREEMENT TERM 127 Months	
ADDENDUM NUMBER	9

therefore, the parties hereto agree the Agreement is amended as indicated below: OTY DESCRIPTION INSTALLATION MONTHLY EXTENDED RATE RATE S&E CODES	and between CENTRAL TELEPHONE COM				(herein "COMPANY") and		
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te: Chief of Fin. Mand. CENTRAL TELEPHONE COMPANY OF VIRGINIA BY: b. B. Fandleta TITLE: Deneral Manage - 5							
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		K. Tild Koo			B.B.	Kond	leta
TE: <u>6/06/2000</u> DATE: <u>6/2/00</u>		Chief of Fin. Mg	mt.		Danen	el Ma	nage-5
	ΓE:	6/06/2000		DATE:	6/2/0	20	· -

ATTACHMENT TO ADDENDUM 9

The purpose of this Addendum Number 9 for Agreement Number 97-2039 is to separate the WAN agreement into two separate agreements (one for the County of Albemarle General Government and one for the County of Albemarle School Division). Addendum 9 shows that 4 sites are to change to a new Agreement Number 00-2039 for the County of Albemarle General Government, which are all on Ring 2. All of the remaining 26 sites will be assigned to the County of Albemarle School Division, which are on Rings 3-7, retaining the old Agreement Number of 97-2039. Both Agreements will remain in force with all original terms and conditions and addenda as part of the old and new agreement, as of the signing date of Addendum 9.

The contact for all communications for the County of Albemarle School Division Agreement (97-2039) will be:

Director of School Technology 2761 Hydraulic Road Charlottesville, VA. 22901

Fax: 804-975-9442 Phone: 804-975-9443

The contact for all communications for the County of Albemarle General Government Agreement (00-2039) will be:

Director of Information Services 401 McIntire Road Charlottesville, VA. 22902

Fax: 804-972-4062 Phone: 804-296-5814

Locations and Ring numbers for Agreement 97-2039 County of Albemarle School Division

Ring 3

Ring 4

Meriweather-Lewis Elem

Resource Center/Murray HS

Virginia Murry Elem.

Greer Elem.

Crozet Elem.

Jouett Middle

Brownsville Elem.

Building Services
Burley Middle

Henley Middle Western Albemarle HS

Red Hill Elem.

Locations and Ring numbers for Agreement 97-2039 County of Albemarle School Division Continued

Ring 5

Ring 6

Ring 7

Woodbrook Elem.

Stone-Robinson Elem.

Albemarle HS Transportation

Sutherland Middle

Cale Elem.

Hollymead Elem. Stoney Point Elem. Walton Middle

Broadus Wood Elem.

Yancey Elem. Scottsville Elem.

Agnor-Hurt Elem.

Monticello HS

Locations and Ring numbers for Agreement (00-2039) County of Albemarle General Government

Ring 2
County Office Building
Courthouse Complex
Police/ Trophy Chase
Sheriff's Annex (No node)



AGREEMENT NUMBER 97-2039	
AGREEMENT TERM 122 months	**
ADDENDIM NIMBER	10

As extended by Addendum Number 3 effective December 1,1998
WITNESSETH:

Thereas, the party and between	uties wish to amend that certain MacCENTRAL TELEPHONE COMP	aster Agreement* (PANY OF VIRGIN	"AGREEMEN" IA	l)date) (here)	Marclin "COM	n 27, 1995 IPANY") and
ounty of Albe		(herein "CUSTOM	(ER").	_		
low therefore,	the parties hereto agree the Agreen	nent is amended as	indicated below	/:		
		INSTALLATION	MONTHLY	EXT	ENDED	
QTY	DESCRIPTION	CHARGES	RATE	RAT		S&E CODES
1	Addition of CATEC to Fiber Ring	\$ 300.00	\$250.00	\$	250.00	PBVDXDNAC
	Network			\$		
	Installation Charges include:			\$		
	\$300.00 normal installation charg	e		\$	-	
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	I Conditions agreed to on the Maste NDUM. The original agreement Number 97-20	_			-	
	eements, Number 00-2039 for the County of Alben					
County of Albe	emarle	CENTRAL '	TELEPHONE (COMP	ANY O	F VIRGINIA
BY:	M. kin A Annalan		BY:	F.B	arm Es	ndletas
TITLE:	DRECTOR OF FINANCE	_	TITLE:	Zie	of ma	reau-Sollo
DATE:	6/14/0)	_	DATE:	6 l	13/51	
		-			1 -40 f	



Mark Roberson Enterprise Account Manager (K-12)

2211 Hydraulic Road, P.O. Box 6788 Charlottesville, Virginia 22901 Toll Free: (800) 552-1719 x2710 Phone: (434) 971-2710 Fax: (434) 971-2705 Email: mark.roberson@mail.sprint.com

May 27, 2003

Mr. Bruce Benson Director of Technology Albemarle County Public Schools 2761 Hydraulic Road Charlottesville, Virginia 22901

Dear Mr. Benson,

Please use this letter, as confirmation that contract #97-2039 between Sprint and the Albemarie County Public Schools does not have an Addendum #11. It was inadvertently left out of the sequence of Addenda to the said contract.

If you have any additional questions, please give me a call at 434-971-2710.

Sincerely,

Mark Roberson

Sprint

Enterprise Account Manager (K-12 Education)

05/19/03 14:29 FAI 824 1533 09/13/02 15:36 FAX 434 871 3034 SALES ADMIN CHVL SALES

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SEP-04-02 WED 09:02 PM SCHOOL TECHNOLOGY PAX: 8049759442

PAGE 2



CONTRACT ADDENDUM

OFIGINAL AGREEMENT # 97-2020 DRIGHAL AGREEMENT TERM 127 ADDENDUM # 12

WITNESSETHE

, the parties with to direct that contain Master Agreement" (ARPOTEARTHT) stood (Mast/1993 by 21d beloopen Cassini or of Virginia (Introdu "Sprint") and Albertains County High School (Materi "CLUSTOMEST"). Office, the parties horses agree the Agreement is sometian as Indicated (solow).

Quantity	Dastriplich	Ner-Recurring Charges	Monthly Recurring	Extended Rute
1	PEVENCH (AD) 10ME	300.00	200,00	200.00
1	PENDOUN (AF)	FI04.00		\$175.00
	PEVOXON (AD)	90.00.00	\$200,00	200,00
1		20000		175.00
1	Special MRC for 10mbs Network Steetmins	310797,49		00,00
				00.00
				(0.00
				90.00
				90.00
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				\$0.00

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THE	Director Silves	Title	Chief of Financial Management	X
Dete	8/29/02		8/89/02	-xe

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20003 2001

SEP-04-02 WED 09:02 PM SCHOOL TECHNOLOGY FAX: 8049759442

PAGE 3



CONTRACT ADDENDUM

ORIGINAL AGREEMENT # #7-8039

DRIGINAL AGREEMENT TERM 127

ADDENDUM# 13

WITNESSETH

Her Agranismn? ("ACANIBERENT") datell (\$22/1966 by and between Control dar Beltitology Rehad (hereta "CUSTOMER"), ant is agranded as indicated below

Quantity	Description	Non-Recurring Charges	Monthly Resurring	Exhanded Rate
1	PSVDXDN (861) 10mbs Streemet (st. Termination, No uptront NNG for Naturals Significations	9600.00	\$775.00	\$778.0a
1	Special NRC for Site Setup 10mbs	\$300.00	67,00	\$9.03
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TOTAL NON-REDURING CHARGES: SHOLDS TOTAL EXTENDED BONTHLY RATE: 5775.00

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THE	Director Sales	116c	Chief of Pinencial Managaria	M Y		
Detail	8/21/02	Debr	8/29/02-	Y E		

01/29/03 21:38 FAX 804 971 2705

SPRINT SALES

→ E FAX

2001



CONTRACT ADDENDUM

ORIGINAL AGREEMENT # 97-2039
ORIGINAL AGREEMENT TERM 127
ADDENDUM# 14

Addendum Term: Colerminous with Original Contract? O No Yes 70 Months Remaining on Orig. Contract

WITNESSETH:

Whereas, the parties wish to amend that certain Master Agreement" ("AGREEMENT") dated 03/27/1995 by and between Central Telephone of Virginia (herein "Sprint") and COUNTY OF ALBEMARLE (herein "CUSTOMER"). School Board Now therefore, the parties hereto agree the Agreement is amended as indicated below:

Quantity	Description	Non-Recurring Charges	Monthly Recurring Rate	
1	Upgrade of Existing Service to 28 school locations - See attachment (A) for full description of upgrade and locations	\$1135015.00	\$12460.00	\$12,460.00
	and toobilone			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
	***************************************			\$0.00
				\$0.00
				\$0.00

TOTAL NON-RECURRING CHARGES: \$1135015.00 TOTAL EXTENDED MONTHLY RATE: \$12460.00

*All Terms and Conditions agreed to on the Master Agreement are hereby agreed to and made a part of this ADDENDUM.

Central To	1: elephone of Virginia		COUNTY	OF ALBEMARKE School Board
Ву:	900/12	for	By:	L. Ell to
Printed:	6. Barry Pendleton by	Mike Fronts	Printed:	R. Edward Koonce III. Chief of Financial Management
Tite:	General Salies	Mr.	Title:	Culet of Linguistics in the Property of the Control of Linguistics in the Control of the Control
Date:	2/5/03	4	Date:	2/05/2003



Attachment (A)

CONTRACT ADDENDUM

ORIGINAL AGREEMENT # 97-2039 ORIGINAL AGREEMENT TERM (127) ADDENDUM # 14

Addendum Term: Coterminous with Original Contract? (Yes) (70) Months Remaining on Orig. Contract

- Sprint will provide 100mbps service over Gigabit Ethernet rings.
- Each ring will consist of 2-7 locations utilizing the existing fiber plant.
- A one-time charge may be associated with adding or reconfiguring rings.
- The Sprint central office switch will contain redundant AC power, redundant supervisor modules and redundant Gigabit Ethernet modules.
- Each site on each ring, with the exception of the School Technology Data Center, will use a Cisco 2950-12 or equivalent switch capable of providing the contracted number of customer access ports. Each switch will be connected to two Gigabit fiber connections to form a ring back to the central office switch.
- A single 100mbps Ethernet port will be enabled at each site with the exception of the School Technology Data Center (*see below).
- Upgrade path would begin with incrementally opening 100mbps ports to add bandwidth at each site for an incremental monthly fee.
- Eventual upgrade path would involve replacing the 2950 switch with a 3550-12T switch or equivalent switch
 capable of providing the contracted number of customer access ports at a price to be determined later. (The GBIC modules would
 not need to be replaced)
- The School Technology Data Center will be serviced via a Cisco 3550-12T or equivalent switch capable of providing the contracted number of customer access ports.
- *A single 1000mbps Ethernet port will be available at the School Technology Data Center.
- Spanning Tree Protocol will be utilized on the Gigabit Ethernet layer to provide redundancy on each ring.
- Spanning Tree Protocol will be enabled on the furthest Gigabit Ethernet fiber segment from the central office on each ring.
- Sprint will pass VLAN information via VLAN trunking at the Sprint central office.
- The Albemarie County School System and the County of Albemarle Government will share the same VLAN identifier isolating both entities from all other Sprint customers connected to the common equipment.
- The Albemarle County School System will be able to segment traffic utilizing their own layer 3 switching or routing devices not included in this service.
- Sprint will provide two ToS (Type of Service) queues, one high priority (voice and video), and one low priority (all other data) to address congestion on heavy traffic links. Sprint will pass all traffic marked by the customer with the appropriate ToS bit to its corresponding queue.

Comprehensive Managed Network Service Scope of Work

Sprint provides Comprehensive Managed Network Services as defined in the following paragraphs.

Monitoring Services: Monitoring Services ensures the overall integrity of customer's network by collecting status information to verify that devices are communicating with other devices in the network. Sprint's service center operates a Simple Network Management Protocol ("SNMP") based management system that provides real-time operations status of equipment and associated communication links. This management system is used for initial screening of all customer troubles. Failures will initiate the appropriate trouble isolation and repair processes. Sprint's service center will proactively notify the customer within fifteen (15) minutes of such an event. Customer contact procedures will be established during MNS implementation and will be included in Sprint's individual site records for managed devices.



- Attachment (A)

CONTRACT ADDENDUM

ORIGINAL AGREEMENT # 97-2039
ORIGINAL AGREEMENT TERM (127)
ADDENDUM # 14
Addendum Term: Coterminous with Original Contract? (Yes)
(70) Months Remaining on Orig. Contract

Performance Reports: Monitoring Services includes a monthly summary of trouble tickets created as a result of the monitoring process. The report lists the date and time that the alarm was reported via SNMP, the time in which Sprint executed its responsibilities associated with contacting the customer and/or its designated agent, and final disposition of the problem. Trouble tickets created by Sprint as part of this service are not cleared until the alarm condition has returned to normal and a trouble disposition is entered. The Performance Reports provide service measurements against the following benchmarks.

- Ninety percent (90%) of service affecting alarms referred to the customer within fifteen (15) minutes of the event.
- Trouble isolation status is included in the initial notification.
- Average referral time: Fifteen (15) minutes or less

Performance Reports are delivered to the customer monthly via hard or soft copy media. Month-to-date performance statistics are available by request.

Configuration Management Services: Sprint will coordinate with the customer's technical staff to obtain information needed to properly configure the Customer Premises Equipment such as routing protocols, applications, traffic, connectivity requirements, and interfaces to be supported. Sprint will assign an engineer from its Advanced Network Services (ANS) organization to become familiar with the customer's network, including routing protocols, routing parameters and interconnection schemes. During MNS implementation, Sprint may recommend and implement configuration changes for individual devices to establish consistent standards that will be maintained as part of the life cycle maintenance and administration process. Sprint will provide configuration changes to support tuning, optimization, normal growth and upgrades to the network. Change requests should be submitted in writing at least seven (7) calendar days before the due date. Emergency change requests will be handled on a case-by-case basis. Sprint's work ticket will serve as the official record of change requests if not initiated in writing by the customer. Network wide configuration changes or changes associated with the addition of network devices not provided to the customer by Sprint are not included as part of the Configuration Management Service. Examples of network wide configuration changes include, but are not limited to, the addition of a LAN protocol to the network, network wide addressing changes, or changes of routing protocol types. Such network wide configuration changes may be performed on a time and materials basis or in accordance with a separate contract for services, following a mutually agreed to Specification and Scope of Work.



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oftware Management Services: Sprint will track, test and maintain copies of software releases provided by the manufacturer devices and will upgrade the devices to the new software revision levels. The customer is responsible for payment of any oftware licensing fees and purchase of any pre-requisite hardware required by manufacturer before the upgrade will be performed. Software upgrades may be requested in writing by the customer or may be recommended by Sprint to keep the customer's software at vendor supported version levels. All required bug fixes to iddress known problems are provided. With respect to Software Management Services, Sprint shall be responsible for:

- Installing software that has been tested and approved by Sprint.
- Providing any software corrections as they are made available by the hardware manufacturer; and
- Implementing one new software release per year if available from the manufacturer.

n cases where two or more software releases per year are available from the manufacturer, Sprint will implement additional eleases at the customer's request on a time and materials basis or in accordance with a separate contract for services based on a 3print proposal.

Enhanced Technical Assistance Center Services: MNS includes seven (7) day, twenty-four (24) hour access to Sprint's operations center. In addition, a named engineer will be assigned to the account to consult with the customer on network apprades, network optimization, implementation of bug fixes, and related technical issues. The engineer will routinely perform a review of network error logs to address potential problems or assist with problem isolation when required.

<u>Performance and Fault Reports</u>: The customer will be provided Performance and Fault reports to assess the overall operational performance of the network. The reports are available by logging into a server managed by Sprint through a web-based interface. The following standard reports are available:

- Traffic Statistics for Wide Area Network (WAN) interfaces.
- Device memory utilization.
- Device CPU utilization.

The statistical data is presented in graphical format and is available on a daily, weekly, monthly, and annual basis. In addition to the standard reports defined above, other reports may be produced depending on the type and manufacturer of the device and the corresponding availability of SNMP Management Information Base (MIB) variables. Sprint will recommend and provide up to two additional reports to further reflect the overall performance of critical, core devices in the customer's network. The selection of these report types will be determined during the MNS implementation phase. Sprint typically provides reports reflecting the operational performance of network links such as a count of CRC errors. However, if this type of data is already available from the customer's management station or network services provider, Sprint may recommend and provide an alternative report type. Standard reports will be provided by the MNS implementation date. Additional reports will be added to the web-based interface within 60 days of MNS implementation.



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'rouble Ticket Handling: A trouble ticket number from Sprint's automated trouble reporting system will be provided the customer's help desk reporting such trouble. For each trouble, Sprint will maintain information about the trouble, the steps aken to resolve the trouble, and the final disposition of the trouble report. Customer representatives will be informed of the tatus of service-restoration actions. A trouble ticket will not be closed by Sprint until the customer is satisfied that the problem has been corrected.

Responsibilities: The following responsibilities are prerequisite to MNS implementation.

- Sprint will control the passwords and community strings for all managed Customer Premises Equipment. Community strings enable users to read and/or write using a Simple Network Management Protocol ("SNMP"). The customer will be granted "view only" access to the Customer Premises Equipment or other access arrangements as specifically defined by methods of engagement documentation that will be developed during MNS implementation.
- This Scope of Work does not include activities related to the connection of end station equipment (printers, personal computers, etc.) to local area network (LAN) devices, namely hubs or switches, managed by Sprint.

The school locations for this upgrade are as follows:

ELEMENTARY SCHOOLS

- 1) Agnor-Hurt Elementary, 3201 Berkmar Dr., Charlottesville, VA 22901, 434-973-5211
- 2) Baker-Butler Elementary, 2740 Proffit Road, Charlottesville, VA 22911, 434-974-7777
- 3) Broadus Wood Elementary, 185 Buck Mountain Rd., Earlysville, VA 22936, 434-973-3865
- 4) Brownsville Elementary, 5870 Rockfish Gap Tumpike, Crozet, VA 22932, 434-823-4658
- 5) Paul H. Cale Elementary, 1757 Avon Street Extended, Charlottesville, VA 22902, 434-293-7455
- 6) Crozet Elementary, 1407 Crozet Avenue, Crozet, VA 22932, 434-823-4800
- 7) Greer Elementary, 190 Lambs Road, Charlottesville, VA 22901, 434-973-8371
- 8) Hollymead Elementary, 2775 Powell Creek Drive, Charlottesville, VA 22911, 434-973-8301
- 9) Meriwether-Lewis Elementary, 1610 Owensville Road, Charlottesville, VA 22901, 434-293-9304
- 10) Virginia L. Murray Elementary, 3251 Morgantown Road, Charlottesville, VA 22903 434-977-4599
- 11) Red Hill Elementary, 3901 Red Hill School Road, North Garden, VA 22959, 434-293-5332
- 12) Scottsville Elementary, 7868 Scottsville Rd, Scottsville, VA 24590, 434-286-2441
- 13) Stone-Robinson Elementary, 958 North Milton Road, Charlottesville, VA 22911, 434-296-3754
- 14) Stony Point Elementary, 3893 Stony Point Road, Keswick VA 22947, 434-973-6405
- 15) Woodbrook Elementary, 100 Woodbrook Drive, Charlottesville, VA 22901, 434-973-6600
- 16) B. F. Yancey Elementary, 7625 Porters Road, Esmont, VA 22937, 434-286-3768



CONTRACT ADDENDUM

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IDDLE SCHOOLS

- 7) Jackson P. Burley Middle School, 901 Rose Hill Dr., Charlottesville, VA 22903, 434-295-5101
- 3) J. T. Henley Middle School, 5880 Rockfish Gap Turnpike, Crozet, VA 22932, 434-823-4393
- 3) Jack Jouett Middle School, 210 Lambs Lane, Charlottesville, VA 22901, 434-975-9320
- 0) Mortimer Y. Sutherland Middle School, 2801 Powell Creek Drive, Charlottesville, VA 22911, 434-975-0599
- 1) Walton Middle School, 4217 Red Hill Road, Charlottesville, VA 22903, 434-977-5615
- 2) Albemarle High School, 2775 Hydraulic Road, Charlottesville, VA 22901, 434-975-9300
- 3) Monticello High School, 1400 Independence Way, Charlottesville, VA 22902, 434-244-3100
- (4) Murray High School, 1200 Forest Street, Charlottesville, VA 22903, 434-296-3090
- 15) Western Albemarle High School, 5941 Rockfish Gap Turnpike, Crozet, VA 22932, 434-823-8700
- 26) CATEC, 1000 East Rio Road, Charlottesville, VA 22901, 434-973-4461
- SCHOOL ADMINISTRATION
- 27) Department of Transportation, 110 Lambs Road, Charlottesville, VA 22901, 434-973-5716
- 28) Building Services/School Technology, 2751 Hydraulic Road, Charlottesville, Va 22901, 434-975-9340, 434-975-9443

Sprint may begin work for this upgrade prior to July 1, 2003, but the revised billing for recurring and non-recurring charges related to the upgrade will not occur until after July 1, 2003.

This Contract Addendum is subject to annual funding by the Board of Supervisors of the County of Albemarle, Virginia, for services and work specified hereunder. In the event the Board of Supervisors fails to appropriate funds necessary to perform the services and work specified in this Contract Addendum and other contract documents, this Contract Addendum shall be deemed cancelled, with no penalty to the County, and of no effect, provided notice of such cancellation is given to the Contractor within thirty (30) days of the Board of Supervisors final approval of the annual County budget. In the event that this Contract Addendum is cancelled for the reasons set forth in this paragraph, the Contractor will be reimbursed for the value of all work performed or services rendered as of the date of cancellation in accordance with the General Conditions.